Technical Data Sheet

# 10-4000

## DESCRIPTION:

Grey and black colorants

10-40, 10-400, 10-4000, 10-40000
10x40,10x400, 10x4000, 10x40000.

## TYPICAL PHYSICAL PROPERTIES (at 22ºC or 72ºF):

| | |
|---|---|
| Density g /cm$^3$ | 1.40 – 1.80 |
| Hegman Grind | 6 – 8 |

## PRECAUTION:

Good mixing techniques are needed for proper incorporation of pigment dispersions. Simple low-shear mixing is adequate. The % of color paste to add will always depend on the desired final color and hiding power. The polymer to be colored may require reactivity adjustment. Contact your technical representative.

Resin will be tinted with 3-5% colorant,
Gelcoat will require 5-20 % colorant.

## STORAGE:

Paste dispersions are stable for twelve months from date of production when they are stored in their original containers and away from sunlight at 25ºC (77ºF) or below. Containers need to be kept tightly sealed and in a cool, dry place when not being used. Avoid contamination from moisture, catalysts, dust or promoters.

## SHIPPING:

Shipment is normally in 3.5, 18, or 205 liters lined containers.

# 10-4000

## POLYESTER SAFETY INFORMATION

All sales of products manufactured by the Polynt Composites. and described herein are made solely on condition that our customers comply with applicable health and safety laws, regulations and orders relating to the handling of our products in the workplace. Before using, read the following information and both the product label and Safety Data Sheet pertaining to each product.

Most polyester products contain styrene. Styrene can cause eye, skin and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Impermeable gloves, safety eyewear and protective clothing should be worn during use to avoid skin and eye contact. Wash thoroughly after use.

Styrene is a solvent and may be harmful if inhaled. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Extended exposure to styrene at concentrations above the recommended exposure limits may cause central nervous system depression causing dizziness, headaches or nausea and if overexposure is continued indefinitely, loss of consciousness, liver and kidney damage.

Do not breathe or ingest vapor, spray mists and dusts caused by applying, sanding, grinding and sawing polyester products. Wear an appropriate NIOSH/MSHA approved, properly fitted, respirator during application and use of these products until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapors, mists and dusts are below applicable exposure limits. Follow respirator manufacturer's directions for respirator use.

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans." This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement: Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene.

Styrene is classified by OSHA and the Department of Transportation as a flammable liquid. Flammable polyester products should be kept away from heat, sparks, and flame. Lighting and other electrical systems in the workplace should be vapor-proof and protected from breakage.

Vapors from styrene may cause flash fire. Styrene vapors are heavier than air and may concentrate in the lower levels of molds and the work area. General clean air dilution or local exhaust ventilation should be provided in volume and pattern to keep vapors well below the lower explosion limit and all air contaminants (vapor, mists and dusts) below the current permissible exposure limits in the mixing, application, curing and repair areas.

Some polyester products may contain additional hazardous ingredients. To determine the hazardous ingredients present, their applicable exposure limits and other safety information, read the Safety Data Sheet for each product (identified by product number) before using. If unavailable, these can be obtained, free of charge, from your Polynt Composites representative.

Keep polyester containers closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Emptied containers may retain hazardous residue. Do not cut, puncture or weld on or near these containers. Follow container label warnings until containers are thoroughly cleaned or destroyed.

FOR INDUSTRIAL USE AND PROFESSIONAL APPLICATION ONLY.

# 10-4000

KEEP OUT OF REACH OF CHILDREN.

Made in Canada by:
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DISCLAIMER AND LIMITATION of LIABILITY

THE PRODUCTS SOLD HEREUNDER SHALL MEET SELLER'S APPLICABLE SPECIFICATIONS AT THE TIME OF SHIPMENT. SELLER'S SPECIFICATIONS MAY BE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE TO BUYER. BUYER MUST GIVE SELLER NOTICE IN WRITING OF ANY ALLEGED DEFECT COVERED BY THIS WARRANTY (TOGETHER WITH ALL IDENTIFYING DETAILS, INCLUDING THE PRODUCT CODE(S), DESCRIPTION AND DATE OF PURCHASE) WITHIN THIRTY (30) DAYS OF THE DATE OF SHIPMENT OF THE PRODUCT OR PRIOR TO THE EXPIRATION OF THE SHIPMENT'S QUALITY LIFE, WHICHEVER OCCURS FIRST. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST SELLER SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE PURCHASE PRICE IN THE EVENT THAT A DEFECTIVE CONDITION OF THE PRODUCT SHOULD BE FOUND TO EXIST BY SELLER. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

THE SOLE PURPOSE OF THIS EXCLUSIVE REMEDY SHALL BE TO PROVIDE BUYER WITH REPLACEMENT OF THE PRODUCT OR REFUND OF THE PURCHASE PRICE OF THE PRODUCT IF ANY DEFECT IN MATERIAL OR WORKMANSHIP IS FOUND TO EXIST. THIS EXCLUSIVE REMEDY SHALL NOT BE DEEMED TO HAVE FAILED ITS ESSENTIAL PURPOSE SO LONG AS SELLER IS WILLING AND ABLE TO REPLACE THE DEFECTIVE PRODUCTS OR REFUND THE PURCHASE PRICE.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. FINAL DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR THE USE CONTEMPLATED, THE MANNER OF USE AND WHETHER THE SUGGESTED USE INFRINGES ANY PATENTS IS THE SOLE RESPONSIBILITY OF THE BUYER.