Technical Datasheet

Ashland Performance Materials

NEULON™ LOW PROFILE ADDITIVES

NEULON™ Pigmented 2000 Pigmented Low Profile Additive

Neulon Pigmented 2000 is a black low profile additive.

Neulon Pigmented 2000 combines the benefit of low profile additives with internal black pigmentation. It provides superior surface and shrinkage control and permits the production of black coloured parts without mottling or haze.

Typical liquid resin properties

Property at 25°C	Value	Unit	Method
Viscosity, Brookfield	5000	mPas	DS-09-138
Styrene Content	60	%	DS-09-143

Application and Use

Neulon Pigmented 2000 is designed for use in black - in mass pigmented SMC (Sheet Molding Compound), BMC (Bulk Molding Compound) and pultrusion applications.

Molded parts produced using Neulon Pigmented 2000 are characterized by excellent color that may eliminate the need of painting, superior smoothness and high gloss.
Performances of Neulon pigmented 2000 was studied in several thickened systems. Properties are shown below.

Components	Unit	A	B	C
Orthophtalic Polyester Resin	phr	60	60	60
Polystyrene, 35% in styrene	phr	40	-	-
LP40A	phr	-	40	-
Neulon Pigmented 2000	phr	-	-	40
TBPB	phr	1,5	1,5	1,5
Carbon Black dispersion, 35%	phr	10	10	-
Zinc Stearate	phr	2,0	2,0	2,0
VR3	phr	2,0	2,0	2,0
Calcium Carbonate	phr	180	180	180
MgO Paste	phr	2,4	2,4	2,4
Glass	%	27-29	27-29	27-29
PROPERTIES				
Shrink Control	mm/in	1,1	0,3	0,3
Pigmentation				
L* (degree of tinting, L*=10% tinting)		27	31	28

Certificates and approvals

The manufacturing, quality control and distribution of products by Ashland Composite Polyemrs, are complying with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001 and OHSAS 18001.

Responsible Care*

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Handling and storage

NEULON Pigmented 2000 is delivered in drums.

NEULON Pigmented 2000 is inhibited to prevent the formation of polymer by styrene. It is highly recommended that the material is stored at stable temperatures under 25 °C preferably indoors, and away from direct sunlight. Prolonged storage outside of recommended conditions can influence liquid resin properties like viscosity and curing properties. Shelf life of NEULON Pigmented 2000 resin is three (3) months.

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which Ashland assumes legal responsibility. Any warranties, including warranties of merchantability or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

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Ashland requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.

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