Product Information

RADILON S 40 EPT2808 333 NER

Material code *Colour code*

DESCRIPTION

PA6 high viscosity extrusion grade. Low modulus, high flexibility and high impact strength, even at low temperatures. Black colour.

This material has been designed for extrusion of pipes. Typical application: convoluted fuel pipes for the automotive industry.

ISO 1043 : PA6-HIP

MATERIAL HANDLING AND PROCESSING

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.15%. Typical conditions with a desiccant drier: temperature 80 ° C, dew point -20 ° C or below, time 2-4 h or more.

Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored.

Processing Parameters

Melt Temperature:	Mold Temperature:	Injection Speed:	Extrusion Temp: 240 ÷ 270°C
250 ÷ 280 °C	70 ÷ 80 °C	Medium	

PRODUCT SAFETY AND APPROVALS

For safety instruction please refer to Material Safety Data Sheet

RoHS compliant 2002/95/CE and following amendments

Technical data sheet

RADILON S 40 EPT2808 333 NER

Material code *Colour code*

PROPERTY		STANDARD	UNIT	VALUE DAM*	VALUE Cond**
Physical Properties					
Density		ISO 1183	Kg/m^3	1080	
Mechanical Properties					
Tensile Modulus	1mm/min	ISO 527-2/1A	MPa	900	
Stress at Yield	50mm/min	ISO 527-2/1A	MPa	35	
Nominal Strain at Break	50mm/min	ISO 527-2/1A	%	>100	
Flexural Modulus	2mm/min	ISO 178	MPa	550	
Flexural Strength	2mm/min	ISO 178	MPa	25	
Charpy Notched Impact Strength	+23°C	ISO 179/1 eA	KJ/m^2	65	
Thermal Properties					
Melting Temperature	10°C/min	ISO 11357-1-3	°C	220	
Heat Deflection Temperature	1.8 MPa	ISO 75/2 A f	°C	50	
Vicat Softening Temperature	50°C/h	ISO 306/B50 50N	°C	120	
Flammability Properties					
Flammability	0.8mm	UL 94	class	HB	
Automotive interior flammability	Burn rate	FMVSS302	mm/min	<30	
Electrical Properties					
Volume resistivity	500V	IEC 60093	ohm · m	1 E+13	1 E+11
Surface resistivity	500V	IEC 60093	ohm	1 E+12	1 E+10
Comparative Tracking Index	Sol.A	IEC 60112	V	600	

*DAM = Dry As Moulded state **Cond = Conditioned state similar to ISO 1110 ***Melt Temp [°C] / Mold Temp [°C] / Cavity press [MPa]