Terluran® ECO GP-22 MR70

ABS INEOS Styrolution

Product Texts

Terluran® ECO GP-22 MR70 is a mechanical post consumer recycling (PCR) grade, with a PCR content of 70% in a standard black color. It combines easy-flow, high impact resistance and heat distortion with high quality surface finish; intended for a wide range of applications and visible parts.

PCR content 70 %
dark grey

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**17**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
[C] Density of melt	**935**	kg/m³	-
[C] Thermal conductivity of melt	**0.184**	W/(m K)	-
[C] Spec. heat capacity of melt	**2520**	J/(kg K)	-
[C] Ejection temperature	**83**	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2100**	MPa	ISO 527
[C] Yield stress	**36**	MPa	ISO 527
[C] Yield strain	**3.6**	%	ISO 527
[C] Nominal strain at break	**10**	%	ISO 527
[C] Charpy notched impact strength, +23°C	**17**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Vicat softening temperature, B	**95**	°C	ISO 306
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1040**	kg/m³	ISO 1183
Recycled resin content	**70**	%	-
Bulk density	**600**	kg/m³	-

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**220 - 260**	°C	-
Mold temperature	**30 - 80**	°C	-

Characteristics

Processing
Injection Molding

Features
High Gloss

Delivery form
Pellets

Certifications
Recycled Resin Content, Post-Consumer Recyclate

Additives
Lubricants

Applications
Electrical and Electronical

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat

Regional Availability
North America, Europe, Asia Pacific, Near East/Africa

Other text information

Injection molding
PREPROCESSING
Pre-drying, Temperature: 80°C
Pre-drying, Time: 2 - 4h
PROCESSING
Melt temperature, range: 220 - 260°C
Mold temperature, range: 30 - 80°C