

Terluran® ECO GP-22 MR50
ABS

INEOS Styrolution

Terluran® ECO GP-22 MR50 is a mechanical post consumer recycling (PCR) grade, with a PCR content of 50% 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.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	19	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2100	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	2.6	%	ISO 527
Nominal strain at break	8	%	ISO 527
Notched Impact Strength (Charpy), +23 °C	18	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30 °C	7	kJ/m ²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50 °C/h 50N	95	°C	ISO 306
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.5	mm	-
UL recognition	yes	-	-

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1040	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

Rheological calculation properties	Value	Unit	Test Standard
ISO Data			
Density of melt	935	kg/m ³	-
Thermal Conductivity of Melt	0.184	W/(m K)	-
Spec. heat capacity of melt	2520	J/(kg K)	-
Ejection temperature	83	°C	-

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

Additives

Lubricants

Applications

Electrical and Electronical

Special Characteristics

Impact modified, Heat aging stabilized

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

Disclaimer

Liability Exclusion

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