INEOS STYROLUTION

68% RECYCLED PLASTIC

Terluran ECO GP-22 MR70

Mechanical Post Consumer Recycling Acrylonitrile Butadiene Styrene (rABS)

TECHNICAL DATASHEET

DESCRIPTION

Terluran® ECO GP-22 MR70 is a mechanical post consumer recycling (PCR) grade, with a PCR content of 68% 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.

FEATURES

- Medium flow
- Good impact resistance
- Good heat distortion resistance
- High quality surface finish and gloss
- Great mechanical strength and rigidity
- Standard black or dark grey color

APPLICATIONS

- Injection molding
- Appliance housings
- Household and electronics appliances
- Visible parts

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	17
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	17
Tensile Stress at Yield, 23 °C	ISO 527	MPa	36
Tensile Strain at Yield, 23 °C	ISO 527	%	3.6
Tensile Stress at Break, 23 °C	ISO 527	MPa	30
Tensile Strain at Break, 23 °C	ISO 527	%	10
Tensile Modulus	ISO 527	MPa	2100
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	95
Other Properties			
Density	ISO 1183	kg/m³	1040
Processing			

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Property, Test Condition	Standard	Unit	Values
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.7
Melt Temperature Range	ISO 294	°C	220 - 260
Mold Temperature Range	ISO 294	°C	30 - 80
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4