Novodur® ECO P2H-AT MR70 black

ABS — INEOS Styrolution

Product Texts

Carbon Footprint Reduction vs Fossil-Based (3rd party validated): 57 % (ISO 14044)
Post-Consumer Recycled ABS Content (RecyClass-certified): 70 %

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**32**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2300**	MPa	ISO 527
Yield stress	**41**	MPa	ISO 527
Yield strain	**2.1**	%	ISO 527
Nominal strain at break	**6**	%	ISO 527
Stress at break	**35**	MPa	ISO 527
Flexural modulus, 23°C	**2200**	MPa	ISO 178
Flexural strength	**70**	MPa	ISO 178
Charpy impact strength, +23°C	**80**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**70**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**18**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**8**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**80**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**91**[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**95**[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, B	**96**	°C	ISO 306

ann.: annealed

Other properties	Value	Unit	Test Standard
Density	**1050**	kg/m³	ISO 1183
Bulk density	**600**	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**230 - 260**	°C	-
Mold temperature	**60 - 80**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Features
High Gloss

Certifications
Recycled Resin Content

Applications
Electrical and Electronical, General Purpose, Packaging

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