

Novodur® ECO H605 MR30
ABS

INEOS Styrolution

Novodur® ECO H605 MR30 is a high heat injection molding grade with enhanced flowability and low emission, i.e. suitable to produce parts which fulfill interior emission requirements of the automotive OEMs. The product contains 30% post-consumer mechanically recycled ABS and has received RecyClass certification.

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	2700	MPa	ISO 527
Yield stress	46	MPa	ISO 527
Yield strain	2.4	%	ISO 527
Nominal strain at break	14	%	ISO 527
Impact Strength (Charpy), +23°C	60	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	50	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	13	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	7	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	2600	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Ball Indentation Hardness	116	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	99	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	102	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	102	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	1.03	%	Sim. to ISO 62
Density	1050	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

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

Features

High Gloss, Low Emission

Delivery form

Pellets

Certifications

Recycled Resin Content

Special Characteristics

Heat aging stabilized

Applications

Automotive, Electrical and Electronical

Injection Molding**PREPROCESSING**

Pre-drying, Temperature: 80°C

Pre-drying, Time: 2 - 4h

PROCESSING

Melt temperature, range: 230 - 260°C

Mold temperature, range: 60 - 80°C

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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