Moplen 2000HEXP

Polypropylene, Impact Copolymer

Product Description

***Moplen* 2000HEXP** is a medium fluidity heterophasic copolymer development grade with an additivation suitable for injection moulding applications. It exhibits an outstanding impact performance, particularly at low temperature combined with a good processability. The resin is particularly designed for injection moulding applications where very high impact performance is critical. "Moplen" 2000HEXP can be used in luggage, closures and as an ideal base material for technical compounding.
It is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	Block Copolymer, High Impact Resistance

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	16	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	22	cm³/10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1000	MPa
Tensile Stress at Yield	ISO 527-1, -2	19	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	6	%
Impact			
Charpy unnotched impact strength (-20 °C, Type 1, Edgewise)	ISO 179	No Break	kJ/m²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		13	kJ/m²
(0 °C, Type 1, Edgewise, Notch A)		8	kJ/m²
(-20 °C, Type 1, Edgewise, Notch A)		6.5	kJ/m²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	43	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	76	°C
Vicat softening temperature	ISO 306		
(B50 (50°C/h 50N))		55	°C
(A50 (50°C/h 10N))		140	°C

Notes

Typical properties; not to be construed as specifications.