

PRODUCT DESCRIPTION

PP H022 CM/1 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by medium melt flow rate, a special stabilization package and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H022 CM/1 is specially recommended for high-speed Extrusion-compression Moulding process of caps and closures. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
Rheology		
Melt flow rate (MFR) (230 °C/2.16 kg)	ASTM D1238	2.5 g/10 min
Mechanical		
Tensile stress at yield (50 mm/min)	ASTM D638	37 MPa
Tensile elongation at yield (50 mm/min)	ASTM D638	9 %
Tensile modulus (50 mm/min)	ASTM D638	1700 MPa
Flexural modulus (50 mm/min)	ASTM D790	1600 MPa
Notched Izod impact strength (23 °C)	ASTM D256	66 J/m
Rockwell Hardness	ASTM D785	117
Thermal		
Vicat softening temperature (10 N)	ASTM D1525	162 °C
Heat deflection temperature (0.45 MPa)	ASTM D648	125 °C

*Typical values; not for specification.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

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