

PolymerHouse POM-H1P Acetal Homopolymer

Features: Good dimensional stability, High viscosity and good toughness

ASTM and ISO Properties

Properties	Test Method	Typical value ¹	Unit
Specific Gravity	ASTM D792	1.42	g/cm ³
Melt Mass Flow Rate (MFR)	ISO 1133 (190°C/2.16Kg)	2.5	g/10min
Mold Shrinkage, across flow, 2mm	ISO 294-4	2.0	%
Water absorption	ASTM D570 (50%RH, 23°C)	0.28	%
Tensile strength	ASTM D638 (23°C)	67	Mpa
Tensile strain at yield	ISO 527-1,2 (23°C)	25	%
Flexural Modulus	ASTM D790 (23°C)	2790	MPa
Charpy Notched Impact Strength	ISO 179 (23°C)	14.0	kJ/m ²
Notched Izod impact strength	ASTM D256 (23°C)	120	J/m
Rockwell Hardness (R scale)	ASTM D785	120	-
Dielectric Strength	ASTM D257 (23°C, 3.20mm)	16.9	kV/mm

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 1 Typical values: These are not to be construed as specifications.