HOSTAFORM® C 9021 XAP®3

HOSTAFORM®

POM copolymer Standard injection molding grade with extremely reduced emissions in both VDA275 and Tedlar bag especially for automotive interior application. Emission according to VDA 275 < 1 mg/kg (natural grades). Currently available in natural color only.

Product information

Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469

Rheological properties

Melt volume-flow rate	8	cm^3/10min	ISO 1133
Temperature	374	°F	
Load	4.76	lb	

Typical mechanical properties

Tensile modulus	392000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	9400	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10	%	ISO 527-1/-2
Flexural modulus	384000	psi	ISO 178
Flexural stress at 3.5%	11300	psi	ISO 178
Charpy notched impact strength, 23°C	3.09	$ftlb/in^2$	ISO 179/1eA
Charpy notched impact strength, -30°C	2.85	$ftlb/in^2$	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	331	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	214	°F	ISO 75-1/-2

Physical/Other properties

Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Water absorption, 2mm	0.65	%	Sim. to ISO 62
Density	0.0509	lb/in^3	ISO 1183

Injection

Drying Temperature	248	°F
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.15	%
Max. screw tangential speed	≤0.202	m/s
Hold pressure range	8700 - 17400	psi
Back pressure	580	psi

Characteristics

Processing	Injection Molding
Special characteristics	Low emissions

Revised: 2025-07-10 Source: Celanese Materials Database

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