Braskem

Datasheet
NOV/2022

Polypropylene CP 442XP

Description:
Heterophasic Copolymer

CP 442XP is a medium melt flow rate heterophasic copolymer suitable for injection moulding applications. The product combines good stiffness with excellent impact resistance even at sub-zero temperatures and also provides good surface properties and excellent processability.

Applications:
Automotive article, Home appliances, Crates, Battery boxes, pails and buckets, Compounds, toys

Processes:
Injection molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	6.0

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.895
Flexural Modulus - 1% Secant	D 790	MPa	1100
Tensile Strength at Yield	D 638	MPa	24
Tensile Elongation at Yield	D 638	%	7
Rockwell Hardness (R Scale)	D 785	-	73
Notched Izod Impact Strength at 23°C	D 256	J/m	170
Notched Izod Impact Strength at -20°C	D 256	J/m	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	93
Deflection Temperature under Load at 1.820 MPa	D 648	°C	52
Vicat Softening Temperature at 10 N	D 1525	°C	145

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final observations
1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.