

TOTAL Polypropylene PPH 3825

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3825 exhibits exceptionally easy flow characteristics.
TOTAL Polypropylene 3825 complies with all applicable FDA regulations for food contact applications.
TOTAL Polypropylene 3825 is recommended for large thin wall parts, caps, and closures.

General Information			
UL YellowCard	E66261-247994		
Features	Food Contact Acceptable		
	Good Flow		
Uses	Caps		
	Closures		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ASTM D638
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	121	°C	ASTM D648
Melting Temperature	166	°C	DSC

Injection	Nominal Value	Unit
Processing (Melt) Temp	199 to 232	°C

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Recommended distributors for this material

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