



DAN Polymer

Technical Data Sheet

ABS Compound: DANCMP 639



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www.danpolymer.com
Rev01, June 2024

Description:

DANCMP 639 is a self-color compound based on Acrylonitrile-Butadiene-Styrene copolymer.

Advantages:

High mechanical properties, medium impact and easy flow, good dimensional stability and chemical resistance

Characteristics:

Appearance: Granular
Color: White
Carrier: Acrylonitrile-Butadiene-Styrene copolymer
Processing Method: Injection molding

Application:

Home appliances, automobile parts, office equipment, sanitary ware, miscellaneous goods, toys, vacuumed cleaner parts, etc.

Properties:

Parameters	Value	Unit	Test Method
Physical			
Melt Flow Index (200°C, 5 kg)	3 ± 1	g/10 min	ASTM D 1238
Density	1.17 ± 0.01	gr/cm ³	ASTM D 1505
Ash Content	17 ± 1	%	ASTM D 5630
Mechanical			
Tensile Strength @Peak	35±2	MPa	ASTM D 638
Elongation @Break	5±2	%	ASTM D 638
Notched Izod Impact(23°C)	14±2	KJ/m ²	ISO 180
Elastic Modulus	≥3100	MPa	ASTM D 638
Thermal			
Vicat (10N)	108±2	°C	ASTM D 1525

*Test Condition: Samples were prepared by injection molding machine (100 Ton).



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Processing Conditions:

It is recommended that ABS should be dried at (80-85 °C) for 3 hours.

Injection Molding:

Rear Temp (°C)	Center Temp (°C)	Center Temp (°C)	Front Temp (°C)	Nozzle Temp (°C)
190-200	200-210	210-220	210-220	215-225
Melt Temp (°C)	Mold Temp (°C)	Filling Speed		
230	60-80	Slow-Mid		



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