

Dow Advanta® 3650 Specialty Elastomer (discontinued **)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Advanta® specialty elastomers provides good fluid resistance and better high temperature performance than nitrile or HNBR and lower cost than fluoroelastomers. Available in two grades. ASTM D2000 designation EJ, FK. Satisfactory compatibility with lubricating, fuel, and hydraulic oils, vegetable oils and animal fats, aliphatic hydrocarbon, alcohols, and water above or below 80°C. Applications include shaft seals, engine gaskets, radiators seals, transmission seals, valve lifter seals, vibration damping systems, valve stem seals, O-rings, hose, tubing, coated fabric, business machine rollers, and wire insulation/jacketing. Information provided by DuPont Dow Elastomers. This former DuPont Dow Elastomers Advanta® product line is not listed in the product lines of either Dow Chemical or DuPont Performance Elastomers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Advanta-3650-Specialty-Elastomer-nbspdiscontinued-.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 90	60 - 90	
Tensile Strength, Ultimate	12.0 - 15.0 MPa	1740 - 2180 psi	
Elongation at Break	200 - 400 %	200 - 400 %	
100% Modulus	0.00200 - 0.0120 GPa	0.290 - 1.74 ksi	
Compression Set	25 - 30 % @Temperature 165 °C	25 - 30 % @Temperature 329 °F	70 hr at 165°C.

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	175 °C	347 °F	Continuous service
Minimum Service Temperature, Air	-11.0 °C	12.2 °F	Temperature retraction (TR-10)
Brittleness Temperature	-45.0 °C	-49.0 °F	Brittle point
Glass Transition Temp, Tg	-15.0 °C	5.00 °F	Inflection

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