



**KEYSTONE** ENCAPSULATED DISC STEMS - BUTTERFLY VALVES  
 MATERIAL SPECIFICATIONS

Technical specifications for encapsulated disc stems

**TECHNICAL MATERIAL SPECIFICATIONS**

	<b>EPDM covered disc/stems</b>	<b>Polyurethane covered disc/stems</b>
Trim code:	2	U
Compound number:	414	EM-01-09
Common names:	EPDM, EPT, Nordel, EPR	Polyurethane, urethane, PU
Color of disc:	Black	Red
Product usage:	F990, F991, F920	F990, F991, F920
Chemical type:	Ethylene propylene diene monomer	
ASTM-SAE	EPDM (Classification R - no contact with petroleum based fluids).	
Trade names:	Nordel - DuPont ECD - DuPont Dustral - Chemore Corp. Enjay EPR - Enjay Chemical Naugatuck EPR - Naugatuck Chem.	
Temperature rating:	-40°C to 120°C	-20°C to 80°C dry -20°C to 60°C wet
Suitable for:	General applications plus the following: Acids - inorganic - sulphuric, Hydrochloric - dilute less than 10% Acids - organic - acetic, citric - dilute less than 10% Alcohols ethylene glycol, ethyl, methyl Alkaline salts sodium hydroxide Dry bulk materials - sugar flour plastics cement Salts - neutral - calcium chloride, sodium nitrate Salts - acidic - alum, zinc chloride Water - sea, cooling, brackish, chilled	Slurry applications with medium pH value. Refer chemical compatibility chart.
Not suitable for:	Hydrocarbon service.	Ammonia, strong acids at all times. Consult compatibility reference.
Size range:	DN 25 - 300	DN 50 - 300
Comments:	Shafts are 316 S/S and covered disc is mild steel.	Shafts are 316 S/S. Covered discs are mild steel.

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